

Session Program

14-19 Jun 2026



CGS18
18th International Symposium on
Capture Gamma-Ray Spectroscopy and Related Topics
14-19 June 2026 Monterey, California

CGS18

Plenary

Monterey, California (USA)
Hilton Garden Inn Monterey

Monday 15 June

08:30

Plenary

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Mathis Wiedeking

08:30–09:00

New physics results and experimental techniques on the structure of nuclei produced with thermal neutron-induced reactions

Speaker

Caterina Michelagnoli

09:00–09:30

Untangling the nuclear physics and astrophysics of the r-process

Speaker

Rebecca Surman

09:30–10:00

Prospects for constraining the spin distribution in exotic nuclei

Speaker

Sean Liddick

10:00–10:30

Microscopic Study of Dipole Excitations in Hot Nuclei within Covariant DFT

Speaker

Esra Yuksel

10:30

11:00

Plenary

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Yang Sun

11:00–11:30

Illuminating Heavy-Element Nucleosynthesis via Indirect Neutron-Capture Methods

Speaker

Andrea Richard

11:30–12:00

High Resolution Studies of Electric and Magnetic Dipole Strength Distributions at HfS

Speaker

Akaa Daniel Ayangeakaa

12:00–12:30

Nuclear Structure Studies of the Heaviest Elements

Speaker

Michael Block

12:30

13:30

Plenary**Session** | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Filip Kondev

13:30–14:00

Neutron induced charged particle emitting reaction measurements on radionuclides at Los Alamos Neutron Science Center (LANSCE)**Speaker**

Hye Young Lee

14:00–14:30

A Universal Fate for Spin-Orbit Partners in the Weak-Binding Regime**Speaker**

Ben Kay

14:30–15:00

Recent results on the double-gamma decay**Speaker**

Wolfram KORTEN

15:00

15:30

Plenary**Session** | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Ani Aprahamian

15:30–16:00

A study of statistical nuclear properties and the low energy enhancement in ^{70}Zn using β -decaying ground and isomeric states of ^{70}Cu **Speaker**

Eleanor Ronning

16:00–16:30

Studying Neutron-Induced Reactions at LANSCE**Speaker**

Aaron Couture

16:30–17:00

Decay Spectroscopy Studies with GRIFFIN at TRIUMF-ISAC**Speaker**

Carl Svensson

17:00–17:30

Low-energy enhancement of the magnetic dipole radiation in heavy nuclei**Speaker**

Prof. Y. Alhassid

17:30

Tuesday 16 June

08:30

Plenary

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Dr Magdalena Gorska

08:30–09:00

Extreme Light Infrastructure - Nuclear Physics: achievements and perspectives

Speaker

Calin Alexandru Ur

09:00–09:30

Precision Physics with Highly-Charged Ions in Storage Rings: Recent Highlights and Future Perspectives

Speaker

Yury Litvinov

09:30–10:00

QRPA prediction of the de-excitation photon strength function

Speaker

Sophie Péru

10:00–10:30

Experimental studies of the dipole response of β -shell nuclei via one-neutron transfer reactions

Speaker

Mark Spieker

10:30

11:00

Plenary

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Ben Kay

11:00–11:30

Commissioning Experiments Using Gamma-ray Spectroscopy at RAON

Speaker

Kevin Insik Hahn

11:30–12:00

Evidence for multiple shape coexistence in the $Z=40$, $N=60$ region

Speaker

Prof. Paul Garrett

12:00–12:30

The Nucleosynthesis of Strontium - an i-process puzzle

Speaker

Sivahami Uthayakumaar

12:30

Wednesday 17 June

08:30

Plenary

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Carl Svensson

08:30–09:00 **Machine Learning for global predictions of nuclear excited states**

Speaker

Dr Matthew Mumpower

09:00–09:30 **Microscopic origin of the spin cutoff problem in nuclear level density**

Speaker

Prof. Yang Sun

09:30–10:00 **The Gamma-Ray Energy Tracking Array (GRETA)**

Speaker

Paul Fallon

10:00–10:30

Quadrupole collectivity and new type of shape coexistence in ^{60}Ca

Speaker

Kouhei Washiyama

10:30

11:00

Plenary

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Stefan Frauendorf

11:00–11:30 **TBD**

Speaker

Kostas Kravvaris

11:30–12:00

Correlated Neutron and Gamma Ray Measurements from (n,x) Reactions using GENESIS

Speaker

Dr Josh Brown

12:00–12:30

Particle emissions following muon captures and photo-nuclear reactions

Speaker

Futoshi Minato

12:30

Thursday 18 June

08:30

Plenary

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Michael Jentschel

08:30–09:00 **Applications and neutron capture gamma-rays**

Speaker

Jennifer Jo Ressler

09:00–09:30

Current and Future Gamma experimental stations at the Turkish Accelerator and Radiation Laboratory

Speaker

Haris Dapo

09:30–10:00

Competition Between Virtual Gamma-Gamma Decay and Single Gamma Decay

Speaker

Bertis Rasco

10:00–10:30

Recent results from the AGATA campaign in Legnaro

Speaker

Magda Zielinska

10:30

11:00

Plenary

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Kevin Insik Hahn

11:00–11:30

Nuclear structure studies near shell closures with neutron-capture reactions at ILL

Speaker

Simone Bottoni

11:30–12:00

Probing Nuclear Structure at the Limits of Stability with β -Decay Spectroscopy at FRIB

Speaker

Benjamin Crider

12:00–12:30

Neutron-rich beams from the nuCARIBU facility at ATLAS

Speaker

Guy Savard

12:30

Friday 19 June

08:30

Plenary

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Sean N. Liddick

08:30–09:00

Shell evolution of superdeformed band and time evolution of deformed states

Speaker

Prof. Takaharu Otsuka

09:00–09:30

Development of the Charge-Exchange Oslo Method and Application Towards Constraining Reaction Rates for Nucleosynthesis of Cosmochronometer ^{92}Nb

Speaker

Neshad Deva Pathirana

09:30–10:00

Structure of unstable nuclei through electromagnetic transition rate measurements using TIP/TIGRESS at ISAC-II

Speaker

Krzysztof Starosta

10:00–10:30

Is β -delayed neutron emission statistical?

Speaker

Zhengyu Xu

10:30

11:00

Plenary

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey

11:00–11:30

Evolution of the Pygmy Dipole Resonance in the Sn mass region studied with the Oslo method

Speaker

Maria Markova

11:30–12:00

Improving the accuracy of thermal neutron capture gamma-rays on Ni isotopes with FAIRRAY at UMass Lowell Research Reactor

Speaker

Shuya Ota

12:00–12:30

Regularities and inheritance in the energies of high-spin states in $^{196-202}\text{Au}$ towards $N = 126$

Speaker

Youngju Cho

12:30

13:30

Plenary: Coffee Break**Session** | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Heather Crawford

13:30–14:00

Indirect Constraints of Neutron-Induced Reactions on Unstable Nuclei**Speaker**

Andrew Ratkiewicz

14:00–14:30

Photon Strength Function Measurements**Speaker**

Kris Hagel

14:30–15:00

TBD**Speaker**

Wenlong Zhan

15:00